

Ca Betty

List of Publications by Year in descending order

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14
papers

353
citations

759233

12
h-index

1058476

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14
docs citations

14
times ranked

445
citing authors

#	ARTICLE	IF	CITATIONS
1	Au nanoparticle modified GO/PEDOT-PSS based immunosensor probes for sensitive and selective detection of serum immunoglobulin g (IgG). Applied Surface Science, 2022, 575, 151775.	6.1	21
2	Reversal of charge transfer direction at gold/copper phthalocyanine film interface on post deposition annealing: A vibrational spectroscopic study. Applied Surface Science, 2021, 542, 148743.	6.1	2
3	Thickness dependence of nanocrystalline tin oxide thin films in capacitive biosensor characterization. Journal of Electroanalytical Chemistry, 2020, 877, 114742.	3.8	5
4	Facile preparation of Silicon/ZnO thin film heterostructures and ultrasensitive toxic gas sensing at room temperature: Substrate dependence on specificity. Analytica Chimica Acta, 2018, 1039, 82-90.	5.4	15
5	Microflowers of Pd doped ZnS for visible light photocatalytic and photoelectrochemical applications. Materials Science in Semiconductor Processing, 2018, 86, 139-145.	4.0	34
6	Effect of Indium doping on the photoelectrochemical and photocatalytic properties of zinc sulphide. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2017, 226, 57-63.	3.5	13
7	Photocatalytic and photo electrochemical properties of cadmium zinc sulfide solid solution in the presence of Pt and RuS ₂ dual co-catalysts. Applied Catalysis A: General, 2016, 517, 91-99.	4.3	59
8	Charge carrier transport in nanocrystalline SnO ₂ thin film sensor and temperature dependence of toxic gas sensitivity. Sensors and Actuators B: Chemical, 2016, 237, 787-794.	7.8	23
9	Reliability studies of highly sensitive and specific multi-gas sensor based on nanocrystalline SnO ₂ film. Sensors and Actuators B: Chemical, 2014, 193, 484-491.	7.8	33
10	Discerning specific gas sensing at room temperature by ultrathin SnO ₂ films using impedance approach. Sensors and Actuators B: Chemical, 2012, 173, 781-788.	7.8	24
11	Impedance model of electrolyte-insulator-semiconductor structure with porous silicon semiconductor. Electrochimica Acta, 2009, 54, 3781-3787.	5.2	15
12	Highly sensitive capacitive immunosensor based on porous silicon-polyaniline structure: Bias dependence on specificity. Biosensors and Bioelectronics, 2009, 25, 338-343.	10.1	43
13	Time response and stability of porous silicon capacitive immunosensors. Biosensors and Bioelectronics, 2007, 22, 1027-1033.	10.1	14
14	Macroporous silicon based capacitive affinity sensor fabrication and electrochemical studies. Sensors and Actuators B: Chemical, 2004, 97, 334-343.	7.8	52